Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (canceled).

Claim 4 (currently amended): A magnetic recording medium comprising:

a substrate;

an underlying layer in which a large number of recesses of an extremely small size are uniformly demonstrated, the underlying layer being formed on the substrate; and

a recording layer is formed of an amorphous magnetic ~~film~~ material and is formed on the surface of the underlying layer, ~~layer in which the recesses of the extremely small size are demonstrated;~~

wherein the underlying layer is formed of tetraethoxysilane as a feedstock, and the underlying layer is a layer which is formed of silicon oxide and a mixture thereof ~~and~~ in which a large number of spherically-shaped voids of the same size are uniformly formed in a face-centered cubic lattice configuration by removing spherically-shaped micelles which are self-arrayed in a face-centered cubic lattice configuration, wherein the surface of the underlying layer on which the amorphous magnetic ~~film~~ material is deposited has been processed so that the recesses of an extremely small size by voids are demonstrated uniformly; and

wherein the recording layer includes protuberances, each of the protuberances is formed independently by the amorphous magnetic material which ~~the amorphous magnetic film~~ is layered on each of the recesses demonstrated in the underlying layer, and wherein each of the ~~to form~~ protuberances ~~which~~ are discrete with respect to one another.

Claims 5-7 (canceled).

Claim 8 (previously presented): The magnetic recording medium according to claim 4 wherein said underlying layer is a layer which is formed of silicon oxide and a mixture thereof and in which a large number of spherically-shaped voids of the same size, with the diameter of several nm to tens of nm, are formed uniformly to a face-centered cubic structure.

Claims 9-13 (canceled).

Claim 14 (currently amended): A magnetic recording medium comprising:

a substrate;

an underlying layer in which a large number of recesses of an extremely small size are uniformly demonstrated, the underlying layer being formed on the substrate; and

a recording layer is formed of amorphous magnetic ~~films~~ material and is~~are~~ formed on the surface of the underlying layer, ~~in which the recesses of the extremely small size by the voids are demonstrated;~~

wherein the underlying layer is formed of tetraethoxysilane as a feedstock, and the underlying layer is a layer which is formed of silicon oxide and a mixture thereof and in which a large number of spherically-shaped voids of the same size are uniformly formed by removing spherically-shared micelles which are self-arrayed in a face-centered cubic lattice configuration by F68 (EO_{77}-PO_{29}-EO_{77}) or F108 (EO_{133}-PO_{50}-EO_{133}) as a triblock copolymer, wherein the surface of the underlying layer on which the amorphous magnetic film is deposited has been processed so that the recesses by voids are demonstrated uniformly,~~;~~

wherein the recording layer includes protuberances, each of the protuberances is formed independently by the amorphous magnetic ~~films are~~material which is layered ~~independently from one another on the each~~ on each of the recesses demonstrated in the underlying layer, ~~to form~~and wherein each of the protuberances ~~which are~~ is discrete with respect to one another.